

ABSTRACT OF THE DISCLOSURE

A position sensor includes at least two detection cells which are separated according to the direction of relative displacement between a generator element and cells of a given value such that a cell detects at least one first magnetic transition of the generator element in order to obtain a logic signal with at least one commutation front corresponding to the determined position of a first variation front. The other cell detects at least a second magnetic transition of the generator element in order to obtain a logical signal with at least one commutation front corresponding to the determined position of the second variation front. Treatment means combine electric signals of the detection cells in order to obtain an electric logic signal corresponding to an electric reference signal.